The Capitol Hill Monitor

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SCANNING THE 57th PRESIDENTIAL INAUGURATION

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America's 44th President, Barack Obama, will take the official Oath of Office on Sunday, January 20, 2013. A ceremonial swearing-in event will take place the following day, along with a parade and official balls.

This is the seventh CHM inaugural scanning guide. Looking back at the previous newsletters, it is shocking how our hobby has changed! Most agencies are now digital and many are typically encrypted. We are fortunate to still have other radio users, such as U.S. Park and U.S. Capitol police, who remain on analog channels, probably for the last inauguration?

Analog channels have the CTCSS listed in brackets or the DCS code denoted with a "d." Digital channels have a network access code (NAC) that start with a "$."

Please share your thoughts and discoveries with the rest of us on the Scan-DC e-mail list on Qth.Net. We are always looking for updates!

FEDERAL AGENCIES

The Joint Congressional Committee on Inaugural Ceremonies is responsible for the planning and execution of the inaugural swearing-in ceremonies and the luncheon which take place at the U.S. Capitol.

U.S. Capitol Police

Capitol Police channel usage varies daily. Specialized officers use additional simplex channels beyond 10 which often use the input or output frequencies of channels 3, 4 or 5 but with a different CTCSS or DCS (try the inputs of 164.6, 164.625 and 164.8).

169.2250 r/s	[110.9]	Chs. 1/6
165.5375 r/s	[146.2]	Chs. 2/7
170.1750 r/s	[156.7]	Chs. 3/8
162.2500 r/s	[173.8]	Chs. 4/9
162.6125 r/s	[127.3]	Chs. 5/10
173.5250 r	[167.9]	Ch.11 Ck Pts/Truck Interdiction

As of this writing, USCPD remain on these analog channels. The agency has a proposed digital radio system which is anticipated to be operational later this year. It has been allocated these 14 channel pairs: 162.25/169.575, 162.6125/169.8375, 162.8/170.1375, 163.1625/170.375, 163.6/170.575, 164.0125/171.0, 164.325/171.4125, 164.6125/171.7875, 164.8125/172.3875, 165.0375/172.6875, 165.5375/172.9625, 165.775/173.1625, 166.225/173.475 and 166.425/173.8125.

In addition, these channels are allocated for use nationwide by the USCPD: 163.1/168.35, 166.45/173.525 and 166.475/173.875. Last summer the agency used 166.475, 168.35, 171.575, 172.1875, 173.525 and 173.875, all analog, at the political conventions. 173.875 [94.8] was also used in Texas for Rep. Gabrielle Giffords' security detail.

Other Capitol Hill Radio Users

167.8875 p	[None]	House Republican Pager
168.3125 p	[None]	House Democrat Pager
173.6375 r	[$293]	Supreme Court Security
406.3875 r	[d723]	Capitol Tours
408.5125 r	[d632]	Capitol Tours (AOTC too?)
409.8375 r	[74.4]	Capitol Tours
406.9375 r	[77.0]	Capitol Audio/Visual
407.7875 r	[d364]	Capitol Motor Pool
408.1250 r	[136.5]	Library of Congress Security
409.5125 r	[d073]	Gov't Printing Office Security
165.4125 r	[210.7]	National Gallery of Art

National Park Service

166.7250 r/s	[127.3]	U.S. Park PD Chs. 1/6 Alternate
166.9250 r/s	[127.3]	U.S. Park PD Chs. 2/7 Primary
167.0750 r/s	[127.3]	U.S. Park PD Chs. 3/8 Admin
166.8500 s	[127.3]	U.S. Park PD Ch. 4 Tactical
168.4250 r/s	[$293]	National Capital Parks-East
172.4750 r/s	[$4C5]	Nat'l Mall & Memorials-Central
172.7500 s	[$4C5]	Nat'l Mall & Memorials-Central
169.7750 r	[$4C5]	George Washington Parkway
170.5125 r	[$4C5]	Ch.1 Medic/First Aid (164.575 in)
408.4500 t	[ ]	John F. Kennedy Ctr. (Passport)

HOMELAND SECURITY AGENCIES

DHS Common Channels

166.4625 s	[varies]	DHS/Treas/Fed-Common 1
166.5875 s	[varies]	DHS/Treas/Fed-Common 2
165.8375 r/s	[varies]	DHS Common (p/w 170.7875)
168.5875 s	[varies]	DHS Common
412.4375 s	[varies]	DHS Common
417.2875 r/s	[varies]	DHS Common (p/w 408.2875)

Secret Service

Since the inauguration has been designated a *national special security event* (NSSE), the Secret Service assumes its role as the lead agency for the design and implementation of the operational security plan. See the USSS Website for inaugural maps and info.

165.7875 s	[$001]	Baker
165.3750 s	[$001]	Charlie
165.2125 s	[$001]	Mike
164.6500 s	[$001]	Tango
164.8875 s	[$001]	Oscar
164.4000 s	[$001]	Papa
165.6875 r/s	[$001]	Wash Field Office (166.4 in)
170.0000 s	[$001]	WFO Alternate
167.0125 s	[$001]	Vice President's Detail
167.0375 s	[$001]	President's Detail

165.6375 is a recent addition to the Secret Service radios. It appears to be used as a repeater input to 167.0125 for special events. Another new Secret Service frequency is 164.9875 which was reported used during the political conventions last summer.

The Secret Service has six channels reserved for use by the *Candidate Nominee Operations Section* (CNOS). They are *CNOS1* to *CNOS6*, 168.2375, 168.5875, 170.0875, 172.0625, 166.0 and 167.1, respectively. They were used at the conventions.

Uniformed Division, Secret Service

The UDSS secures the White House and selected federal and foreign facilities in the Washington area. See the December 2004 CHM for details.

162.0750 r/s	[$201]	White House 1 (169.9375 in)
163.3125 r/s	[$202]	White House 2 (170.4375 in)
170.0000 s	[$003]	White House Admin
170.0000 s	[$004]	Blair House
164.1750 p	[None]	White House alerting pagers
166.2000 s	[$202]	Vice President's Residence
162.3125 r/s	[$211]	Foreign Miss. 1 (171.7625 in)
164.4375 r/s	[$212]	Foreign Miss. 2 (172.5625 in)
170.9875 s	[$213]	Foreign Missions 3
170.0000 s	[127.3]	Inter Ops (Sec Svc common)
164.1000 s	[$001]	Canine Tac

Immigration & Customs Enforcement

163.7250 r/s	[$073]	Washington 1 (162.825 in)
164.6750 r/s	[$075]	Washington 2 (162.85 in)
168.9250 r/s	[varies]	Wash 3 Airport op (165.825 in)
172.5875 r/s	[$077]	Washington 4 (168.9375 in)
164.7750 r/s	[ ]	
165.2375 r/s	[varies]	Net 1 (166.4375 in)
165.4625 r/s	[varies]	Net 7 (Philly) (166.5875 in)
136.3750 s	[ ]	ICE Aircraft
282.4250 s	[ ]	ICE Aircraft
350.0250 s	[ ]	Guardian Ops

Channels designated as "Nets" are repeated, and "Tac" are simplex/talkaround. During the 2009 inauguration, ICE and HMX-1 used 122.8 for coordination during the ceremonial train trip to D.C. ICE aircraft work closely with Coast Guard helos and the military jets assigned to D.C. combat air patrols (CAP). See the CAP frequencies on page 6, especially 139.7 and 139.9.

The Coast Guard is tasked with airborne homeland security patrols and intercepting unauthorized aircraft entering restricted airspace over D.C. These helicopters use scrolling banner signs that tell pilots to contact them on 121.5 MHz (122.75 MHz noted for training ops), where they are given further instructions. Helos assigned to D.C. are known as "Blackjack" because they originate from Air Station Atlantic City. They operate from Hangar #7 at National Airport.

Coast Guard

156.8000 s	Marine Ch. 16 (Hailing, Distress)
156.8500 s	Marine Ch. 17 (D.C. harbor patrol coord.)
157.0500 s	Marine Ch. 21 (CG, Blackjack helos)
157.1500 s	Marine Ch. 23 (CG Sta. Washington)
157.0750 s	Marine Ch. 81 (CG Aux./MSO)
157.1750 s	Marine Ch. 83 (CG, Air Sta. Atlantic City)
165.3125 s	Coast Guard CG121 (CG Sta. Washington)
345.0000 s	Coast Guard Aircraft (primary)
237.9000 s	Coast Guard Aircraft (secondary)
326.1500 s	Coast Guard Aircraft (working primary)
379.0500 s	Coast Guard Aircraft (working secondary)

The USCG has 40 or more non-marine channels available for use. See this link for info. On the water, the agency will establish a security zone on the Potomac and Anacostia from Jan. 20 through Jan. 22. Here is the CG notice and map.

Federal Protective Service

408.2000 r/s	[$201]	Federal Protective Svc
410.8000 r/s	[$201]	Federal Protective Svc

Transportation Security Administration

172.1500	r/s [varies]	National Airport
172.9000	r/s [varies]	National Airport

Federal Emergency Management Agency

As a designated *national special security event* (NSSE), FEMA is tasked with recovery management in the event of a catastrophic event.

FEMA, much like the Dept. of Health & Human Services, sponsors specialized teams that will stage during the inauguration. FEMA has a standard set of channels for use nationwide, and others specifically intended for the National Capital Region (NCR).

Mobile Emergency Resource Support (MERS) teams provide electronic communications support to local public safety agencies. FEMA will probably place the Fairfax and/or Montgomery *Urban Search And Rescue* (USAR) teams on "alert status" during the inauguration. They specialize in confined-space rescue. Both teams will likely have their county and FEMA radios.

406.4500	s/r [varies]	NCR 1-4 DC Main
409.8625	s/r [varies]	NCR 5-6 DC Alternate
412.8875	s [varies]	NCR 7
412.9125	s [varies]	NCR 8
410.8625	s/r [varies]	NCR 9/10
407.4500	s/r [varies]	NCR 11/12
408.0625	s/r [varies]	NCR 13/14
409.4625	s [varies]	NCR 15
418.4625	s [141.3]	NCR Common
406.2625	s/r [varies]	FEMA 1/2
407.0625	s/r [varies]	FEMA 3/4
407.6625	s/r [varies]	FEMA 5/6
409.0625	s/r [varies]	FEMA 7/8
410.4625	s/r [varies]	FEMA 9/10
407.4500	s/r [varies]	FEMA 11/12
412.8250	s [varies]	MERS 1
412.8500	s [varies]	MERS 2
412.8375	s [varies]	MERS 3
412.8625	s [varies]	MERS 4
412.8750	s [varies]	MERS 5
412.9000	s [varies]	MERS 6
412.8875	s [varies]	MERS 7
412.9125	s [varies]	MERS 8
410.8625	s/r [varies]	MERS 9/10
407.4500	s/r [varies]	MERS 11/12
408.0625	s/r [varies]	MERS 13/14
409.4625	s/r [varies]	MERS 15
408.8625	s/r [varies/141.3]	USAR 1/2
409.2625	s/r [varies/141.3]	USAR 3/4
409.6625	s/r [varies/141.3]	USAR 5/6
409.8625	s/r [varies/141.3]	USAR 7/8
410.2625	s/r [varies/141.3]	USAR 9/10
410.6625	s/r [varies/141.3]	USAR 11/12
412.8250	s [varies/141.3]	USAR 13
412.8500	s [varies/141.3]	USAR 14

Some channels listed here are shared with other agencies. Additionally, federal agencies are still moving channels around in the UHF band to conform to the current band plan. Repeater outputs are typically in the 406-411 MHz range with inputs exactly 9 MHz higher in the 415-420 MHz range. Channels used for simplex use only are assigned to 411-415 MHz.

Although under separate departments, FEMA and DHHS are closely related and share similar or identical channel plans, shown above and below. Many of these UHF channels are shared between the departments. Multiple digital network access codes (NACs) on the same channel could suggest shared users.

HEALTH & HUMAN SERVICES AGENCIES

DHHS operates, funds and/or oversees several medical teams which will be available during inaugural events. The *Disaster Medical Assistance Teams* (DMAT) provide medical care during a disaster or other event. The *National Disaster Medical System* (NDMS) assists local agencies with the medical impacts of major peacetime disasters and provides support for military casualties returning home. The *National Medical Response Team* (NMRT) provides medical and decontamination services and/or assists agencies in hazardous materials environments. The D.C. NMRT group also uses talkgroups on Arlington County's trunked system. Also try the NIH trunked system for possible support activity.

407.1250	r [varies]	DMAT
409.0000	r [varies]	DMAT
406.8625	s/r [varies]	NDMS 1/2
407.2625	s/r [varies]	NDMS 3/4
407.4625	s/r [varies]	NDMS 5/6
409.0750	s/r [varies]	NDMS 7/8
412.8375	s [varies]	NDMS 9
412.8625	s [varies]	NDMS 10
412.8750	s [varies]	NDMS 11
412.9000	s [varies]	NDMS 12
412.8875	s [varies]	NDMS 13
409.4625	s [varies]	NDMS 14
00045	t (hex 02D)	NMRT-A (Arl. Co. FD A1H)
00046	t (hex 02E)	NMRT-B (Arl. Co. FD A1I)
00047	t (hex 02F)	NMRT Cmd (Arl. Co. FD A1J)

JUSTICE DEPARTMENT AGENCIES

The Justice Department manages the Integrated Wireless Network (IWN) in the NCR. It has multiple trunked sites in the 167-174 MHz band and appears to be entirely encrypted. According to this Radio Resource article, Federal Homeland Security agencies in D.C. are not participating. Frequency info is on the RadioReference Website. A year ago, the DoJ Inspector General released this report critiquing IWN's status.

Federal Bureau of Investigation

During a designated *national special security event* the FBI takes charge of intelligence, counter terrorism, hostage rescue and investigation of incidents of terrorism or other major criminal activities associated with the event. The FBI has many channels available for use, but these have been commonly used in the past in downtown D.C.

167.4375	r/s [$167]	D.C. Administrative
167.4875	r/s [$167]	Downtown D.C. repeater
167.2125	r/s [$167]	D.C. Metro Area
167.7125	r/s [$167]	D.C. Metro Area
167.4625	r/s [$167]	Area Wide 1
167.4125	r/s [$167]	Area Wide 2
167.3625	r/s [$167]	Spec. Ops Group 1
167.2625	r/s [$167]	Surveillance 1
168.9750	r/s [$167]	Surveillance 2
167.9500	r/s [$167]	Surveillance 3
167.5625	s [$167]	Bureau Common

Alcohol, Tobacco, Firearms and Explosives Bureau

165.2875	r/s [$650]	Nets 1 to 6 (166.5375 in)
167.1625	s [$650]	Tac 1 (also p/w 173.0125?)
170.9625	s [$650]	Tac 2
173.0125	s [$650]	Tac 3 (or possibly 169.35?)
168.3500	s [$650]	Tac 4
165.9125	s [$650]	Tac 5
173.8875	s [$650]	Tac 6

AGENCIES FROM OTHER FEDERAL DEPARTMENTS

State Department

The State Department provides security for the Secretary of State and foreign official visitors, except heads of state, who are protected by the Secret Service.

407.3375	r/s [d245]	Engineering
407.6000	r/s [$0F0]	Protection details
407.8625	r/s [$0F0]	Bldg security "Side Door"
408.6000	r/s [$0F0]	Protection details
409.0375	r/s [$0F0]	Protection details?
409.7125	r/s [$0F0]	Maintenance?

Federal Communications Commission

The FCC has been active during past events in Washington, often tracking sources of interference and pirate radio stations. Also of concern are threats that hackers could interfere with radio communication, or the fear a radio transmitter could be used as a detonator.

167.0500 r/s [$124?] FCC field enfo (172.8 in)

NTIA Passport Trunked System

The Smithsonian museums are among the most active on this NTIA trunked system in downtown Washington. Passport, a variant of LTR trunking, is not trackable using scanners, but it is analog and can be monitored.

407.0750 / 407.3750 / 408.5500 / 408.8750 / 410.3125

Common-Use Channels

These common-use frequencies are available for use on a shared basis by any federal agency: 163.1/168.35, 163.7125, 168.6125, 173.625/167.1375, 407.525/416.525, 409.05/418.05, 409.075/418.075, 409.3375/418.3375, 412.825, 412.8375, 412.85, 412.8625, 412.875, 412.8875, 412.9 and 412.9125. The older wide-band channels are: 408.4, 418.05, 418.075 and 418.575.

MILITARY AGENCIES

The military has gotten away from the "*Armed Forces Inaugural Committee (AFIC)"* name for the military joint task force that participates and supports inaugural events. The service members are now known as the Joint Task Force - National Capital Region 57th Presidential Inaugural staff. The military provides mostly ceremonial support, including transportation and logistics.

Sunday morning, Jan. 13, the military will have a rehearsal for the swearing-in ceremony and parade. That would be an ideal opportunity to search for radio activity.

During past inaugurations, the military reduced its radio traffic considerably through the use of other technology and that trend will likely continue. AFIC had made use of VHF repeater and simplex voice channels, particularly for parade support, along with Civil Air Patrol assistance. The frequencies vary but came from the 138-144 MHz and 148-151 MHz band.

The inaugural task force's command and control nets in recent times have operated on Belvoir's radio nets (see page 5). In 2009, the D.C. CAP repeater used a CTCSS of 136.5. The CAP has a new narrow-band

channel plan. See Radio Reference for simplex channels. 143.8375 was used in 2009 with CTCSS 67.0, but the user was unknown.

Civil Air Patrol (CAP)
148.1250 r/s [varies] (143.55 in)
148.1500 r/s [varies] (143.7 in)
148.1375 r/s [varies] (143.625 in)
150.5625 s [151.4] Falcon Virgo intercept exercises

Joint Task Force - National Capital Region

JTF-NCR is responsible to help plan and coordinate military assistance for homeland defense and civil support in the D.C. area. It was formally activated on Sept. 22, 2004 and provides a common command structure for all DoD forces including the Coast Guard in the NCR.

The JTF-NCR 380 MHz trunked network is a system of networked sites that links most facilities under the JTF-NCR command. Only those sites closest to D.C. are shown here. Control channels are underlined.

The 380 MHz P25 radios are typically programmed with conventional 380-400 MHz channels. Chris Parris, Monitoring Times Fed Files Columnist, says listeners should search that range for undiscovered channels.

001-0101 **Fort Belvoir, VA:** 381.675, 381.825, 381.975, 385.0125, 385.2125, **385.8875**, 386.1875, 386.3375.

001-0303 **Anacostia-Bolling, DC:** 386.0625, 386.9625, 388.2625, 388.5625, 388.8875, 389.0375, 389.1625, 389.2375, 389.4875, 389.8375.

001-0606 **Bethesda NNMC, MD:** 385.0875, 385.325, 385.725, 385.9375, 387.175, 387.475, 387.975.

002-0101 **Pentagon #1-Ft Myer, VA:** 380.0625, 380.325, 380.375, 380.625, 380.675, 380.825, 380.975, 381.0875, 381.2375, 381.2875.

002-0202 **Pentagon #2-Ft McNair, DC:** 380.2125, 380.525, 380.775, 381.1375.

007-0202 **Army Research Lab, Adelphi, MD:** 389.025, 389.575.

008-0101 **Tysons Corner, VA:** 380.075, 380.425, 380.725.

009-0101 **Silver Hill, MD:** 380.275, 380.575, 380.875, 381.7375.

The National Geospatial-Intelligence Agency site below has moved to the new NGA site at Ft. Belvoir, from Bethesda.

010-0202 **NGA-Ft. Belvoir, VA:** 385.8625, 387.1875, 387.4625, 387.7875, 389.075.

This site is part of the Marine Corps system at the Pentagon, used to support the annual marathon.

14C-0403 **Marine Corps-Pentagon, VA:** 380.4875, 381.2, 381.3375, 381.6875, 381.8375.

Joint Base Andrews may be especially interesting as various VIPs arrive and depart. The base has a unique set of talkgroups on its 380 MHz trunked system.

17A-0101 **Joint Base Andrews, MD:** 385.2125, 385.3125, 385.9, 385.9125, 386.0375, 386.2, 386.3375, 386.5, 386.6375, 386.8.

Andrews Aviation Freqs
118.400 / 349.000 Andrews Tower
119.300 / 335.500 Arrival
139.300 / 372.200 Pilot to Dispatch
124.000 / 279.575 Arlington Cemetery Fly-bys
125.650 / 348.725 Departure to north/east
141.550 / 378.100 Command Post & Wing Ops
141.700 / 292.200 1st Helo Squad, 89th A/W, "Mussel"
297.500 Reported as 1st Helo Squad
321.000 Reported as 1st Helo Squad
251.500 Navy Ops
362.900 Navy Ops
344.600 Metro (WX)
351.200 Liberator (756th ARS) Cmd Post

Fort Belvoir/Davison Army Airfield (DAA)

Davison Army Airfield provides "shuttle" services around the Military District of Washington for military VIPs.

51.500 Army, Air to Air
118.850 Davison AAF GCA/P
119.950 Davison AAF RADAR
121.900 Ground Control
126.300 Tower
139.400 Davison AAF Metro “Davey Ops”
229.400 Tower
241.000 Tower
245.200 Clearance Delivery/Ground Control
246.800 Army, Air to Air
255.700 Army, Air to Air

Pentagon Heliport (JPN)
143.100 Tower
231.300 Tower
268.000 Wheelhouse Pentagon SAM switchboard
287.600 Foghorn Control

The Marine Corps presidential and vice presidential executive flight squadron is known to the military as *HMX-1*, to the Secret Service as *Nighthawk*, and to the public as *Marine 1 or 2*. Helos are based in Quantico, but often stage in Anacostia. See this link for HMX presets.

USMC Executive Flight Squadron

30.150 Squadron CP
34.350 Anacostia
142.750 Nighthawk, ADW 89th Ops Grp Sq Tac
265.800 Quantico Common
273.950 Tactical (outside Beltway)
276.400 Squadron Ops
277.175 Squadron Control
318.900 Squadron Base
320.400 Quantico Maint
355.300 Quantico Base Ops
375.000 Helipad Comms

Combat Air Patrols

139.700 Huntress, Coast Guard Helos
139.900 Huntress, Coast Guard Helos
143.850 112th FS, Air to Air
260.900 Huntress, CAPs
228.900 Huntress
251.250 Ftr, Air to Air
257.350 58th FS, Air to Air
262.850 Friendship CAP
135.525 Guard Dog CAP Ctrl
276.550 58th FS, Air to Air
277.350 58th FS, Air to Air
311.000 Lighthouse Ctrl-Seymour-Johnson tankers
324.000 Pelican P-3s & Raven Ops
324.600 Ftr, Air to Air
326.475 58th FS, Air to Air
350.250 Guard Dog

Tactical aircraft frequencies in the 138-144 MHz band are AM. The Coast Guard helos assist with combat air patrols. See the Coast Guard on page 2 for details.

Here are other important aviation frequencies.

National Airport (Mount Vernon Sector)

118.300 / 306.300 Final East DCAFE
118.950 / 257.200 Departure West (loiterers over D.C.)
119.100 / 257.600 Reagan Tower
119.300 / 335.500 Approach ADWAR
119.850 / 322.300 Approach West QJAAY
134.350 / 257.600 Wash Helo Control
121.050 / 343.700 West 10,000' up to FL 230 FLUKY
121.500 / 243.000 Aircraft Emergency
124.000 / 279.575 Andrews for Arl Flyovers, ADWFR
124.200 / 269.000 Approach East ENSUE
124.700 / 338.200 Final West DCAFW
125.650 / 348.725 East 9500' & below KRANT
126.550 / 269.500 East 10,000' up to FL 190 DAILY
126.550 / 269.500 Dep. East 10K ft up to FL 190 DAILY
128.350 / 270.275 App. SE 19K ft down to 3K ft DEALE

White House Communications Agency (WHCA)

Another important military element which provides support to the inauguration as well as the President is the *White House Communications Agency* (WHCA). WHCA personnel routinely use Secret Service and DoD channels.

169.9250 s	[$001/103.5]	Delta
167.9000 s	[$001]	Hotel, White Hse Mot Pool
166.7000 s	[$001/103.5]	November
166.2000 s	[$001/103.5]	Naval Sup Fac-Cmp David
166.5125 s	[$001/103.5]	Sierra
167.0250 s		Whiskey (old pager ch.)
162.6875 d	[103.5]	Yankee (old phone patch)
171.2875 d		Zulu (old phone patch tx)

Military Intra-Squad Radios

The military has 14 channels similar to the civilian FRS band: Ch.1 396.875, Ch.2 397.125, Ch.3 397.175, Ch.4 397.375, Ch.5 397.425, Ch.6 397.475, Ch.7 397.55, Ch.8 397.95, Ch.9 398.05, Ch.10 399.425, Ch.11 399.475, Ch.12 399.725, Ch.13 399.925 and Ch.14 399.975.

LOCAL GOVERNMENT

The District government has an inaugural Website and city agencies are preparing for the event. Months ago the city began implementation of a new trunked radio system with the goal of having it ready for the big event.

D.C. Gets NEW P25 Phase 2 Trunk Radio System!

The District's Office of Unified Communications (OUC) has been tightlipped about the city's new P25 Phase 2 trunked radio system. In response to a FOIA request, the city's Office of Contracting and Procurement has released these documents concerning the new radio network. The system is estimated to cost between $50 and $60 million.

Originally, insider reports indicated that MPD would abandon the UHF system prior to the inauguration for this new system (no word when fire/EMS may switch). The agreement with Motorola says that all D.C. public safety agencies and other citywide service providers will use the new system, for a total of 22 city agencies.

As of this writing, techs at the McMillan Drive radio shop are said to be working long hours to program and install Motorola APX radios. We do not yet know to what extent the new system will be deployed, but it will be used. Like the UHF system, most MPD talkgroups are encrypted, but not all.

The new system is a mix of the old digital (FDMA) and the newer, more spectrum efficient, TDMA digital formats.

The system simulcasts talkgroups from the existing UHF and legacy 800 MHz Motorola systems, but for scanner listeners, the talkgroup IDs will appear differently.

Here is how to convert between the systems. For FDMA: Divide the decimal/Uniden ID by 16 and that is the new ID. For example, MPD's Citywide-1 is 16624 in decimal/Uniden format. On the new network it is 1039. It is not encrypted and can be monitored in newer digital trunk-tracking scanners.

Talkgroups that simulcast to the TDMA channels are converted in this manner: Decimal/Uniden talkgroup ID divide by 16 and add 10,000. For example, MPD 1-D appears on the scanner as 16400. Divide that by 16, add 10000, and that is the TDMA group ID, 11025. That is encrypted! Even if it were not encrypted, one would need a scanner that decodes TDMA, such as a GRE PSR-800. See related discussion on RadioReference.

Here are the frequencies for the new system (it has an ID of 445-0103). Control channels: 855.2375, 855.4625, 857.9875, 858.9875; FDMA: 769.90625, 769.96875, 770.40625, 770.46875, 770.71875, 770.96875, 773.34375, 774.03125, 774.28125, 774.34375; TDMA: 769.90625, 769.96875, 770.40625, 770.46875, 770.71875, 770.96875, 773.34375, 774.03125, 774.28125, 774.34375.

The older Motorola trunked systems used by Fire/EMS (800 MHz) and MPD (UHF) will likely continue to simulcast with the new system through the inauguration.

D.C. Fire & EMS

These are the frequencies currently used by the legacy Motorola 800 MHz system that is used by fire/EMS and various other city agencies.

603D-Site 1: 854.8625, 855.2125, 855.2375, 856.1875, 856.5875, 856.9875, 857.1875, 857.5875, 857.9875, 858.5875, 859.0375, 859.0875, 859.9875, 860.9875.

During past special events, the fire/EMS crews are assigned to operate on one of several talkgroups regardless of its channel designation. For example, the department used several talkgroups in the "0A" and "0B" zones for various details during the 2009 inauguration. At a minimum, the fire/EMS "special event" talkgroups (0A-11 to 13) are obvious candidates. Here are others to consider.

Selected D.C. Fire/EMS talkgroups:

40000t	(hex 9C4)	Fire/EMS automated dispatch
01616t	(hex 065)	0-01 Dispatch (154.19 simulcast)
01632t	(hex 066)	0-02 Main
01648t	(hex 067)	0-03 Fire Ground 03 (primary)
01904t	(hex 077)	0-11 EMS 1
01920t	(hex 078)	0-12 EMS 2
01776t	(hex 06F)	0-A-03 Fire Ground A3
02096t	(hex 083)	0-A-11 Special Event 1
02112t	(hex 084)	0-A-12 Special Event 2
02128t	(hex 085)	0-A-13 Special Event 3
02016t	(hex 07E)	0-B-03 Fire Ground B3 (hazmats)
02080t	(hex 082)	0-C-05 Fire Inspectors
02240t	(hex 08C)	0-C-08 Special Ops
02640t	(hex 0A5)	0-C-09 Fire Boat Ops
09840t	(hex 267)	0-C-13 Fire Ops Command
851.8625 r/s [156.7]		VRS/DIR 1 (veh rptr sys) [RINS5]
851.8375 r/s [156.7]		VRS/DIR 2 (veh rptr sys) [RINS2]

The below zone is common in D.C. police and fire/EMS radios, regardless of band. It is known as the "D.C. zone." Some talkgroups are not available in all radios.

During the 2009 inauguration, the MPD talkgroup 21232 (which had been Citywide-2, now harbor patrol), was patched with talkgroup DC-MA1 (59952) and the frequencies of 8TAC91 (now 851.5125) and DCIO2 (168.875). See the mutual aid section on pages 8-9.

The "D.C." COMMON ZONE

02656t	(hex 0A6)	DC-01: UCC1 (Unified Com Ctr)
02672t	(hex 0A7)	DC-02: UCC2
37456t	(hex 925)	DC-03: UCC3
37488t	(hex 927)	DC-04: UCC4
59952t	(hex EA3)	DC-05: MA1 (Mutual Aid 1)
59968t	(hex EA4)	DC-06: MA2
09936t	(hex 26D)	DC-07: MAF1 (Mutual Aid Fire 1)
09968t	(hex 26F)	DC-08: MAF2
35536t	(hex 8AD)	DC-09: EMA1 (Emg Mgt Agcy 1)
35568t	(hex 8AF)	DC-10: EMA2
33616t	(hex 835)	DC-11: EXEC1 (Sr. city officials)
33648t	(hex 837)	DC-12: EXEC2 (city officials)
19248t	(hex 4B3)	DC-13: PMARS (Pol Mutual Aid)
37648t	(hex 931)	DC-14: SPARE1
37680t	(hex 933)	DC-15: SPARE2
16624t	(hex 40F)	DC-16: CW-1 (MPD Citywide)

Here are talkgroups beyond the D.C. zone that may be simulcast to the other trunk systems for coordination.

09984t	(hex 270)	MAF3 (Mutual Aid Fire 3)
10032t	(hex 273)	MAF4
19216t	(hex 4B1)	DC MIRS (police mut aid patch)
33872t	(hex 845)	DC Homeland Sec-Emer Mngt
34832t	(hex 881)	DC Prot Svc (bldg security)
35600t	(hex 8B1)	Traffic Management
59968t	(hex EA4)	DC IO1 (PD inter ops, 159.15)
59984t	(hex EA5)	DC MA3 (mutual aid police)
60000t	(hex EA6)	DC MA4 (mutual aid police)

While the main D.C. police talkgroups are encrypted, the radios have more than 20 talkgroups, such as those listed above, which are not secure.

Metropolitan Police Department

Since the 2009 inauguration, MPD has encrypted most of the talkgroups in its radios. These are the frequencies in use by the city's UHF trunked system which is mainly used by MPD. Many of those talkgroups listed above simulcast on this system as well.

Motorola trunk: 603D-Site 2: 453.45, 460.025, 460.1, 460.15, 460.2, 460.25, 460.275, 460.325, 460.35, 460.375, 460.4, 460.425, 460.45, 460.475, 460.5.

In its old conventional UHF radios, MPD SOD traditionally made regular use of simplex channels for special events. Here are the citywide UHF digital simplex channels. The VHF channels are for inter-agency comms.

MPD Conventional Freqs

158.7900 r	[Astro]	(156.03 in)
158.8500 r	[Astro]	SOD escorts patch (156.09 in)
460.0625 s	[$293]	Citywide Surveillance 1
460.3375 s	[$293]	Citywide Surveillance 2
460.2625 s	[$293]	Citywide Surveillance 3

Other District-Related Agencies

47.4200 s	[None]	American Red Cross
52.7500 s	[150.0]	DC Nat'l Guard CP ("DC Ops")
453.4750 r/s	[146.2]	American Red Cross
462.3750 r/s	[88.5]	American Red Cross
462.4000 r/s	[d226]	American Red Cross
462.6750 r/s	[varies]	REACT

Because of their proximity to downtown D.C., worth mentioning are the Virginia STARS and Arlington County P25 trunked systems.

Virginia STARS P25 Network (Arlington site #19E-0113)
152.2175, 152.5325, 158.8275, 159.195, 159.2625.

Key STARS Talkgroups in VSP Div. 7

00065 t	(hex 0041)	VSP Fairfax Ch.1
00067 t	(hex 0043)	VSP Fairfax Ch.2
00104 t	(hex 0068)	VSP Fairfax Ch.3 (spec use)
00070 t	(hex 0046)	VSP Blue 7 (working ch.)
06146 t	(hex 1802)	VSP Mut Call 7 (link to VSP disp)
06147 t	(hex 1803)	ComLinc 7 (external-STARS link)
06148 t	(hex 1804)	STARS Mutual 7 (mutual aid)
06149 t	(hex 1805)	VSP-InOp-LE-7 (law enfo int-ops)
06150 t	(hex 1806)	VSP-InOp-PS-7 (pub svc int-ops)

The Commonwealth has licensed 800 MHz trans-portable trunked sites that connect to the STARS network. Excluding mutual aid channels, these include 31 channels. According to the FCC license, WQOG986, none are authorized for use in the D.C. area.

Arlington County P25 TRS (site # 1CA-0101)
851.7125, 851.8125, 852.675, 853.1875, 856.4375, 856.7625, 856.9375, 857.7625, 857.9375, 858.4375, 858.7625, 858.9375, 859.4375, 859.7625, 859.9375, 860.4375, 860.7625, 860.9375.

The Arlington County coordination and OEM talkgroups are good candidates for use during the inauguration. Here are the primary fire/EMS and police talkgroups.

INTEROPERABILITY / MUTUAL AID CHANNELS

Each civilian NCR jurisdiction maintaining a trunked network has a cache of 700/800 MHz spare radios for use during emergencies and special events. The radios are programmed with trunked and conventional channels used by other jurisdictions in the NCR.

There are more than 80 nationally designated mutual aid channels. In addition, the NCR has its own unique mutual aid channels. The mutual aid channels have been assigned (and reassigned) different designations, which has led to confusion.

The National Public Safety Telecommunications Council (NPSTC) provides this helpful spreadsheet listing the national mutual aid channels on its Website.

The National Interoperability Field Operations Guide is useful reading on interoperability radio communication.

Repeated channels are often given an "R" suffix, and "D" is for direct, for example, UCALL40-D. Unless otherwise noted, all channels in this section are analog with a CTCSS of 156.7 Hz or carrier squelch.

123.0250 s	Public Safety Helos (helicopter common)
154.2800 s	Fire Mutual Aid 2 (VFIRE21)
154.2950 s	Fire Mutual Aid 1 (VFIRE23)
155.4750 s	National Law Enfo Emer Freq (VLAW31)
462.4000 r	D.C. Hospital Mutual Aid [CTCSS 77.0]

These IO channels are funded by the Justice Department in 25 metropolitan areas. Therefore, they are known as the "25 Cities Project" channels. See this MT blog for details. The intention was to expand the network to include a UHF patch and encryption. IO1 and IO2 are in service, but we are unclear on the status of the other channels.

159.1500 r	DCIO1-DC (155.25 in) [$653]
168.8750 r	DCIO2-Alexandria (162.975 in) [$653]
173.7500 r	DCIO2 N-Fred-Hagerstwn (163.5 in) [$653]
168.0875 r	DCIO2 S-Fredericksbrg (162.975 in)[$653]
166.7875 r	DCIO2 W-Manassas (162.975 in) [$653]

The LE and IR channels are known as the "NTIA" channels. NTIA is the agency that manages federal/military radio spectrum. The channels are intended for joint law enforcement and incident response by federal and civilian agencies. They are routinely programmed in the new radios used by federal agencies.

167.0875 s [167.9] LE A (calling channel)
167.0875 r [167.9] LE 1 (162.0875 in)
167.2500 r/s [$68F] LE 2/LE 6 (162.2625 in)
167.7500 r/s [$68F] LE 3/LE 7 (162.8375 in)
168.1125 r/s [$68F] LE 4/LE 8 (163.2875 in)
168.4625 r/s [$68F] LE 5/LE 9 (163.425 in)

169.5375 r/s [167.9] NC 1Call/IR 5 (164.7125 in)
170.0125 r/s [167.9] IR 1/IR 6 (165.25 in)
170.4125 r/s [167.9] IR 2/IR 7 (165.9625 in)
170.6875 r/s [167.9] IR 3/IR 8 (166.575 in)
173.0375 r/s [167.9] IR 4/IR 9 (167.325 in)

414.0375 s [167.9] LE B (calling channel)
409.9875 r/s [167.9] LE 10/LE 16 (418.9875 in)
410.1875 r/s [$68F] LE 11/LE 17 (419.1875 in)
410.6125 r/s [$68F] LE 12/LE 18 (419.6125 in)
414.0625 s [$68F] LE 13
414.3125 s [$68F] LE 14
414.3375 s [$68F] LE 15

410.2375 r/s [167.9] NC 2CALL/IR 15 (419.2375 in)
410.4375 r/s [167.9] IR 10/IR 16 (419.4375 in)
410.6375 r/s [167.9] IR 11/IR 17 (419.6375 in)
410.8375 r/s [167.9] IR 12/IR 18 (419.8375 in)
413.1875 s [167.9] IR 13
413.2125 s [167.9] IR 14

The D.C. police and fire/EMS radios are programmed with these 453, 700 and 800 MHz national mutual aid channels for radios that support those bands. Many of the surrounding jurisdictions have at least some of these channels in their radios as well.

453.2125 r/s UCALL40
453.4625 r/s UTAC41
453.7125 r/s UTAC42
453.8625 r/s UTAC43

769.24375 r/s 7CALL50 (Calling Channel)
769.14375 r/s 7TAC51 (General Public Safety Svc)
769.64375 r/s 7TAC52 (General Public Safety Svc)
770.14375 r/s 7TAC53 (General Public Safety Svc)
770.64375 r/s 7TAC54 (General Public Safety Svc)
769.74375 r/s 7TAC55 (General Public Safety Svc)
770.24375 r/s 7TAC56 (General Public Safety Svc)
770.99375 r/s 7GTAC57 (Other Public Service)
770.89375 r/s 7MOB59 (Mobile Repeater)
770.39375 r/s 7LAW61 (Law Enforcement)
770.49375 r/s 7LAW62 (Law Enforcement)
769.89375 r/s 7FIRE63 (Fire)
769.99375 r/s 7FIRE64 (Fire)
769.39375 r/s 7MED65 (EMS)
769.49375 r/s 7MED66 (EMS)
770.74375 r/s 7DATA69 (Mobile Data)
773.25625 r/s 7CALL70 (Calling Channel)
773.10625 r/s 7TAC71 (General Public Safety Svc)
773.60625 r/s 7TAC72 (General Public Safety Svc)
774.10625 r/s 7TAC73 (General Public Safety Svc)
774.60625 r/s 7TAC74 (General Public Safety Svc)
773.75625 r/s 7TAC75 (General Public Safety Svc)
774.25625 r/s 7TAC76 (General Public Safety Svc)
774.85625 r/s 7GTAC77 (Other Public Service)
774.50625 r/s 7MOB79 (Mobile Repeater)
774.00625 r/s 7LAW81 (Law Enforcement)
774.35625 r/s 7LAW82 (Law Enforcement)
773.50625 r/s 7FIRE83 (Fire)
773.85625 r/s 7FIRE84 (Fire)
773.00625 r/s 7MED86 (EMS)
773.35625 r/s 7MED87 (EMS)
774.75625 r/s 7DATA89 (Mobile Data)

During the 2009 inauguration, two talkgroups from the D.C. trunked systems were patched with the frequencies of 8TAC91 (now 851.5125) and DCIO2 (168.875). 8TAC92 was also used, purpose unknown.

851.0125 r/s National Calling Ch (8CALL90)
851.5125 r/s National Tac 1 (8TAC91)
852.0125 r/s National Tac 2 (8TAC92)
852.5125 r/s National Tac 3 (8TAC93)
853.0125 r/s National Tac 4 (8TAC94)

The D.C. P-MARS and Regional Inter-Service "RINS" channels were created by the Council of Governments (COG). The RINS channels may also be used by any COG jurisdiction for digital or analog intra-agency communication without the 156.7 Hz tone.

During the 2009 inauguration, RINS4 was used for EMS details. RINS5 and RINS6 were both used as well.

851.3625 r D.C. Police Mutual Aid (P-MARS)
853.5125 r/s Regional Inter-Service (RINS1)
851.8375 r/s Regional Inter-Service (RINS2)
852.2375 r/s Regional Inter-Service (RINS3)
852.4875 r/s Regional Inter-Service (RINS4)
851.8625 r/s Regional Inter-Service (RINS5)
852.7625 r/s Regional Inter-Service (RINS6)

TRANSPORTATION

Washington Metropolitan Area Transit Auth (WMATA)

MAJOR SETBACK FOR WMATA RADIO COMMUNICATION—- Dan Stessel, Metro communications director, says WMATA was in the process of performing a narrowband upgrade on its UHF-T band radio system when Congress passed the Job Creation Act of 2012.

"This Congressional action mandated that any UHF system which operates in the 490 MHz spectrum be relocated to the 700 MHz spectrum," Stessel said. Subsequent to this act, he added, "the FCC granted narrowband waivers to all operators in the 490 MHz spectrum." Congress intends to have the FCC auction the spectrum currently used by WMATA.

He has not been able to estimate how much the move to 700 MHz will cost, nor how it will be funded. But using estimates for 700 MHz systems purchased by D.C. and Prince George's County, the cost will likely be in excess of $50 million, especially with Metro's complex tunnel antenna system.

The FCC granted a waiver to WMATA until 2014 to continue using the wideband VHF railroad channels. Stessel said they will eventually be returned to the FCC, although they remain in limited use. They typically simulcast with the UHF system.

Legacy VHF WMATA Wideband Channels

160.2600 s	[None]	Rail Ops 1
160.3800 s	[None]	Rail Ops 2
160.6200 s	[None]	Rail Ops 3
161.0250 s	[None]	Paging
161.4150 s	[None]	Yard (not simulcast)

WMATA Motorola trunked system (ID# 8209-Site 1)
489.5125, 489.5375, 490.7875, 490.8375, 490.8625, 490.8875, 490.9125, 490.9625, 496.3375, 496.4375, 496.4875, 496.5375, 496.5625, 496.5875, 496.6125.

Amtrak and Union Station

160.2900 r	[114.8]	Ch.1 Yardmaster (161.37 in)
160.3500 r	[114.8]	Ch.2 Train Maint (161.145 in)
160.4400 r	[114.8]	Ch.3 Station Ops (161.445 in)
160.9200 s	[None]	Amtrak Road
161.2950 r	[varies]	Amtrak PD (160.665/160.365 in)
161.2050 s	[None]	Amtrak Police (car to car)
464.5750 r	[d346]	Shops - Security
464.5250 s	[d311]	Shops - Security Alternate Ch.6
464.9250 s	[d311]	Shops - Security Alternate

See **David Schoenberger's** Website for Union Station.

Metropolitan Washington Airports Authority (MWAA)

MWAA is the authority that runs Reagan and Dulles airports. It has its own digital Motorola trunked system. MWAA police often escort dignitaries to/from the airports using this radio system. Frequencies are: 851.05, 851.675, 851.8875, 851.925, 852.2, 852.35, 852.4375, 852.4625, 852.5375, 852.5625, 853.2125, 853.8, 854.0625, 854.0875, 854.3125, 854.3625, 854.4375.

NEWS MEDIA

These frequencies are those commonly used by news crews in Washington, D.C. Expect to find additional frequencies used just for this event. The broadcast frequency coordinator has filed STAs to use spectrum in the UHF-TV band starting with Ch. 14 (470.0 MHz).

In 2009, the broadcast media had a coordination repeater on 450.95 [100.0] just for the inauguration.

Much has changed since the 2009 inauguration. This includes the DTV transition, and loss of the 700 MHz spectrum to other services.

IFB (interruptible fold-back) channels are used to relay broadcast audio to crews in the field. The feed can be interrupted by the director to provide cues and instructions. Channels used by engineering crews (electronic news gathering) are listed as ENG. One helicopter provides video to WRC, WTTG, WJLA and WUSA as part of the Local News Service (LNS).

CBS is again the parade pool. CBS has contracted BSI, Broadcast Sports Inc, for the wireless cameras.

Local TV Stations

153.0500 s	[d331]	WRC (LNS helicopter feeds)
450.4500 s	[d306]	WRC Ch.1 ENG
455.1500 s	[d306]	WRC Ch.3 IFB
161.7300 s	[88.5]	WTTG (LNS helicopter feeds)
450.1125 r	[d311]	WJLA Ch.1 Desk
450.2625 r	[d311]	WJLA Ch.2 ENG
450.7500 s	[141.3]	WUSA Ch.1 unit-to-unit
450.2125 s	[141.3]	WUSA Ch.2 unit-to-unit
450.0875 s	[141.3]	WUSA Ch.3 LNS Helicopter
450.1875 r	[141.3]	WUSA Ch.4 Desk

Local Radio Stations

450.2375 s	[ ]	WMAL
450.6500 s	[82.5]	WMAL
455.2375 s	[ ]	WMAL
450.3500 s	[141.3]	WTOP Newsroom
455.6500 s	[ ]	WTOP (traffic/remotes)

Television Networks

450.4125 s	[136.5]	ABC IFB
455.0875 s	[136.5]	ABC Ch.1 Desk
455.5875 s	[136.5]	ABC Ch.2 ENG
450.5875 s	[136.5]	ABC Ch.3 Couriers
450.6500 s	[ ]	ABC
450.8500 s	[ ]	ABC
455.2500 s	[ ]	ABC
455.3500 s	[ ]	ABC News Radio
455.5375 s	[ ]	ABC Camera Control
455.7000 s	[ ]	ABC
450.0500 s	[107.2]	CBS Ch.3 Maint 2/Dir Q
450.1500 s	[107.2]	CBS Ch.1 Maint 1/data
450.2875 s	[107.2]	CBS Ch.4 Desk/Alt

450.4875 r	[107.2]	CBS Ch.2 Desk
450.5125 r/s	[107.2]	CBS Chs.6/10 Techs
450.6125 s	[107.2]	CBS Ch.11 IFB
450.7500 s	[107.2]	CBS Ch.12
450.8000 s	[107.2]	CBS Chs.5/9 IFB 1
455.2625 s	[107.2]	CBS Ch.13
455.2875 s	[107.2]	CBS Ch.8 Freq 8
455.6125 s	[107.2]	CBS Ch.7 IFB 2
450.7125 s	[ ]	CBS
455.0375 s	[ ]	CBS
455.8000 s	[ ]	CBS
161.6700 s	[d331]	NBC Desk
450.5500 s	[d306]	NBC Ch.2 IFB
455.8500 s	[d306]	NBC Ch.4 IFB

Cable Networks

450.6750r/s	[ ]	CNN
450.1875 r/s	[127.3]	CNN
450.8875 r/s	[127.3]	CNN
450.5625 r	[d165]	C-SPAN Citywide
495.4375 r/s	[d243]	Fox News
495.4625 r/s	[d243]	Fox News

CNN has licensed a Mototrbo system on 452.7, 462.275 and 464.9625, a two-site simulcast network. CNN's Mototrbo system on 450.1875, 450.675, 450.775 and 450.8875 has been inactive, but might be used analog.

Other Media

412.2125 s	[ ]	Voice of America
412.2375 s	[ ]	Voice of America
412.7750 s	[ ]	Voice of America
412.8125 s	[ ]	Voice of America
452.9750 r/s	[103.5]	Citywide Notification
455.9125 r	[141.3]	Metro Traffic Control
860.1875 r/s	[varies]	Washington Post (area wide)
855.7625 r/s	[varies]	Washington Post (15th St/Spgfld)

EVENT SITES

For official inaugural events see the Presidential Inaugural Committee 2013 Website. In past inaugurations, the PIC staff has often leased radios for special events.

The official inaugural balls are on the evening of Jan. 21 at the city's convention center. Here are the center's licensed channels.

Walter E. Washington Convention Center

453.1125 r	[156.7]	Ch.1 Security and Ops
453.9125 r	[156.7]	Ch.2 Security and Ops
453.1375 r	[d606]	Ch.4 Housekeeping
453.9625 r	[d364]	Ch.5 Security alternate
453.7875	[ ]	
453.8875 r	[d023]	Catering
453.9875	[ ]	
460.5625	[ ]	

Other channels are used by contractors and catering companies. In addition to the three official ball locations at the D.C. convention center, unofficial inaugural events are plentiful. **David Schoenberger** has a superb Webpage listing verified frequencies for downtown D.C. and site-specific destinations, including those for 60 D.C. hotels: http://tinyurl.com/DaveSchoenberger.

He also has done similar work for Prince George's County which will host the *Black Tie & Boots Ball* at the Gaylord National. Thanks Dave for sharing your research with the rest of us!

CHM GET-TOGETHER THIS SUNDAY !!!

Ledo's Restaurant in College Park has reserved space for us at 2 p.m. Sunday, January 13, 2013. We can talk about inaugural scanning and whatever topics of interest.

Ledo's does a group check with 20 percent added for tip. We'll just have to split it up on our own. So please bring extra $1's with you!

The restaurant is at 4509 Knox Rd near the Univ. of Maryland off Route 1. Free public parking on Sunday!

EVERYBODY'S WELCOME TO COME.

Looking forward to seeing some of you there! Please send Alan an e-mail if you think you might come so we can give Ledo's an estimate.

WHERE'S ALAN BEEN?

Please excuse my long absence from editing the CHM newsletter. Much of my time these days is spent caring for my ailing mother. I do it by myself. Every day is a blessing but often a struggle as well.

The Capitol Hill Monitor
c/o Alan Henney
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Takoma Park, MD 20912-5414

This is the 2013 Inauguration Edition!

CHM GET-TOGETHER SCHEDULED THIS SUNDAY IN COLLEGE PARK. SEE PAGE 11.

Please address all correspondence to Alan. We encourage readers to submit material and write articles that relate to the hobby. All submissions are subject to editing for style and content. When submitting material please make certain we can contact you should we have any questions. We welcome frequency and visitor requests, but please include a reply envelope.

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